

Educational Technology Course Description

Educational Technology - 2030 (3-5) [2000]

Course Description

PERFORMANCE INDICATORS GRADES 3-5

It is recommended that in addition to the standards and performance indicators, that keyboarding first be taught as a concentrated unit in third grade and reviewed in each succeeding grade to allow students to achieve a high degree of proficiency (See Appendix B). All students should have opportunities to demonstrate the following performances as a consequence of learning about other core content. Students will be assessed during the spring of their 5th grade year. The assessment will include a keyboarding skill test, a technology literacy self-assessment, and the inclusion of at least two pieces of student work in an electronic portfolio.

Numbers in parentheses following each performance indicator refer to the standards category to which the performance is linked.

The *categories* are:

1. Basic operations and concepts
2. Social, ethical, and human issues
3. Technology productivity tools
4. Technology communications tools
5. Technology research tools
6. Technology problem-solving and decision-making tools

Prior to completion of Grade 5, students will

Core Standards of the Course

TOPIC: Student Technology Use

STANDARD: 2030 - 01

Use keyboards and other common input and output devices (including adaptive devices when necessary) efficiently and effectively. (1)

TOPIC: Student Technology Use

STANDARD: 2030 - 02

Discuss common uses of technology in daily life and advantages and disadvantages those uses provide. (1, 2)

TOPIC: Student Technology Use

STANDARD: 2030 - 03

Discuss basic issues related to responsible use of technology and information; and describe personal consequences of inappropriate use. (2)

TOPIC: Student Technology Use

STANDARD: 2030 - 04

Use general purpose productivity tools and peripherals to support personal productivity, to remediate skill deficits, and to facilitate learning throughout the curriculum. (3)

TOPIC: Student Technology Use

STANDARD: 2030 - 05

Use technology tools (e.g., multimedia authoring, presentation, web tools, digital cameras, scanners) for individual and collaborative writing, communication, and publishing activities to create knowledge products for audiences inside and outside the classroom. (3, 4)

TOPIC: Student Technology Use

STANDARD: 2030 - 06

Use telecommunications efficiently and effectively to access remote information and communicate with others in support of direct and independent learning and for pursuit of personal interests. (4)

TOPIC: Student Technology Use

STANDARD: 2030 - 07

Use telecommunications and on-line resources (e.g., email, online discussions, web environments) to participate in collaborative problem-solving activities to develop solutions or products for audiences inside and outside the classroom. (4, 5)

TOPIC: Student Technology Use

STANDARD: 2030 - 08

Use technology resources (e.g., calculators, data collection probes, videos, educational software) for problem-solving, self-directed learning, and extended learning activities. (5, 6)

TOPIC: Student Technology Use

STANDARD: 2030 - 09

Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems. (5, 6)

TOPIC: Student Technology Use

STANDARD: 2030 - 10

Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources. (6)

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